



**Karolinska
Institutet**



First Joint Retreat of the BoneHub and Movement & Physical Function Network

Djurönäset Conference Center

November 10th – 11th, 2025

Free attendance for KI employees and members of the Movement and Physical Functioning Network and BoneHub

Day 1 (November 10th)

- 07:30 Departure from Campus Solna or Gullmarsplan
- 08:30 Arrival at Djurönäset Conference Center
- 08:30 Registration & Coffee/Sandwich

Session Chairs – Wim Grooten and Phillip Newton

- 09:00 **Welcoming words** – Wim Grooten and Phillip Newton
- 09:20 **Keynote** – Prof. Kent Søre, *University of Southern Denmark*
“The “memory” of human osteoclasts – implications for aging, disease, and treatment”
- 10:10 Coffee
- 10:30 **Poster Session and Networking Activity**

Session Chairs – Maria Westerståhl and Sakshi Vats

- 11:30 **Keynote** – Dr. Helene Rundqvist, *Labmed, Karolinska Institutet*
“Exercise effects on T-cell mobilization and immune surveillance – consequences for breast cancer prognosis”
- 12:25 **Selected BoneHub Presentation** – Dr. Farasat Zaman, *Department of Women’s and Children’s Health, Karolinska Institutet*
“Non-invasive mechanical stimulation of growth plate to treat leg length discrepancy in children”
- 12:45 Lunch

Session Chair – Ferdinand von Walden

- 13:45 **Promobilia session –**
Presentation – Prof. Anders Holsgaard Larsen, *University of Southern Denmark*
“Physical activity and the relationship between gross motor function and joint range of motion in children with CP”
Keynote – Dr. Adam Shortland, *King’s College London*
“Gross muscle morphology in cerebral palsy: a roadmap from documentation to successful intervention.”
Presentation – Assoc. Prof. Rodrigo Fernandez-Gonzalo, *Karolinska Institutet*
“Severe Inactivity: Muscle and Bone Responses to Disuse and Unloading”
- 15:15 Coffee

Session Chair – Phillip Newton

- 15:45 **Keynote –** Prof. Farshid Guilak, *Washington University*
“Synthetic gene circuits for programmed drug delivery: It’s about time!”
- 16:40 **Panel Discussion –** “Overcoming Barriers in Basic – Clinical Collaboration”
Introduction – Prof. Kent Søre, **Moderator –** Wim Grooten
- 17:15 Physical activity, spa or free time
- 18:15 Mingle at the bar
- 18:30 Dinner

After dinner: Spa

Day 2 (November 11th)

Session Chairs – Chrisanne Dsouza and Sebastian Edman

- 09:00 **Keynote –** Prof. Ola Nilsson, *Department of Women’s and Children’s Health, Karolinska Institutet*
“Novel therapies for skeletal dysplasias”
- 09:50 **Presentation –** Assoc. Prof. Josefine Naili, *Department of Women’s and Children’s Health, Karolinska Institutet*
“BIOFUNC – The link between joint function and molecular biomarkers”
- 10:10 Coffee

Session Chairs – Ola Nilsson and Lisa Sandberg

- 10:35 **Selected BoneHub Presentation –** Hillevi Lindelöf, *Department of Molecular Medicine and Surgery, Karolinska Institutet*
“Genetic skeletal disorders cohort study”
- 10:55 **Presentation –** Dr. Anna Wiik, *Labmed, Karolinska Institutet*
“From Transition to Performance: The Effects of Gender-Affirming Care”
- 11:10 Awards (Poster session), Closing remarks and Evaluation Questionnaire
- 11:30 Lunch
- 12:30 Departure