

**TBDP Symposium 2011: Bone research - from cell to fracture, September 1.-2., 2011
(organized together with Finnish Bone Society and Finnish Society for Nutrition Research)**

UNIVERSITY OF EASTERN FINLAND, KUOPIO CAMPUS, MIKROTEKNIA AUDITORIUM

(Technopolis Kuopio, Building: Mikroteknia 1A, first floor, address: Microkatu 1, 70211 Kuopio)

DAY 1, Thursday 1.9.2011

A. BONE METABOLISM (9.00-11.00) - Moderator Heikki Kröger

9.00-10.00 Serge Ferrari: Honorarium lecture 1. Regulation of bone modeling and remodeling

10.00-11.00 ORAL PRESENTATIONS (4 x 15 min)

11.00-12.00 COFFEE AND SNACK LUNCH

B. EPIDEMIOLOGY OF OSTEOPOROSIS (12.00- 14.00) - Moderator Joonas Sirola

12.00-12.30 Toni Rikkinen – Exercise and bone health in postmenopause

12.30-13.00 Christel Lamberg-Allardt: Vitamin D – Where do we stand?

13.00-14.00 ORAL PRESENTATIONS (4 x 15 min)

14.00-14.30 COFFEE

CLINICAL RESEARCH (15.00-18.00) - Moderator Jari Salo

14.30-15.30 Serge Ferrari: Honorarium lecture 2. Update of osteoporosis treatment

15.30-16.00 Tero Yli-Kyyry: Atypical fractures during bisphosphonate therapy

16.00-16.30 ORAL PRESENTATIONS (2 x 15 min)

16.30-17.30 **FINNISH BONE SOCIETY MEETING**

16.30-17.30 **INTRODUCTION TO AND TOUR TO DEPARTMENT OF CLINICAL NUTRITION**

19.00 SYMPOSIUM DINNER – Puijo Tower

DAY 2, Friday 2.9.2011

C. NUTRITION AND BONE (9.00- 11.00). Moderator: Riitta Korpela

9.00-9.30 Marika Laaksonen: Nutrigenetics in bone research

9.30-10.00 Matti Kärkkäinen – Vitamin D, falls and fractures

10.00-11.00 ORAL PRESENTATIONS (4 x 15 min)

11.00-12.00 COFFEE AND SNACK LUNCH

D. BONE BIOPHYSICS(12.00-14.00). Moderator Jukka Jurvelin

12.00-12.30 Timo Jämsä: Biomechanical aspects of hip fracture risk

12.30-13.00 Hanna Isaksson: Assessment of bone quality

13.00-14.00 ORAL PRESENTATIONS (4 x 15 min)

Registration deadline is Thursday August 4th

<https://www.webropol.com/P.aspx?id=560403&cid=90031551>

Those interested in giving oral presentation, please send your title and name of the session by latest on Monday July 4th (teija.aho(at)utu.fi).

ORAL PRESENTATIONS:

SESSION A (Bone metabolism)

1. **INARI TAMMINEN:** Bone histomorphometry findings in juvenile osteoporosis
2. **JAAKKO JÄRVENPÄÄ:** Changes in bone mineral density of the distal femur after total knee athroplasty
3. **MIKAEL TURUNEN:** Location and age-dependent composition of human trabecular bone as evaluated with FTIR microspectroscopy
4. **FREE**

SESSION B (Epidemiology of osteoporosis)

1. **PEKKA WARIS:** Mikkeli osteoporosis index and FRAX in estimation of fracture risk
2. **LEONIE-HELEN BOGL:** An investigation into the relationship of soft tissue body composition and bone mineral density in a young adult twin sample
3. **PÄIVI RAUMA:** Depression and antidepressant use as risk factors in postmenopausal osteoporosis
4. **FREE**

SESSION C (Clinical research)

1. **ELINA SALONEN:** Balance, falls and bone health
2. **TOMMI KÄÄRIÄINEN:** Patient selection methods for osteoporosis treatment

SESSION D (Nutrition and Bone)

1. **ISOLDE SOMMER:** Alcohol consumption and bone mineral density in elderly women
2. **ARJA ERKKILÄ:** Associations of dietary polyunsaturated fatty acids with bone mineral density in elderly women
3. **ELISA SAARNIO:** Vitamin D binding protein genotype is associated with vitamin D status and bone health in Finnish children and adolescents
4. **FREE**

SESSION E (Bone biophysics)

1. **SAMI VÄÄNÄNEN:** Estimation of 3D shape and mechanical strength of proximal femur based on DXA image
2. **MARKUS MALO:** Assessment of bone properties by using a quantitative pulse-echo ultrasound
3. **TIINA JUVONEN:** Bone cement augmented screw fixation testing
4. **HONGQIANG MA:** How does bone respond to diet-induced obesity and physical activity, the adaptation of bone geometry and density to mechanical loading