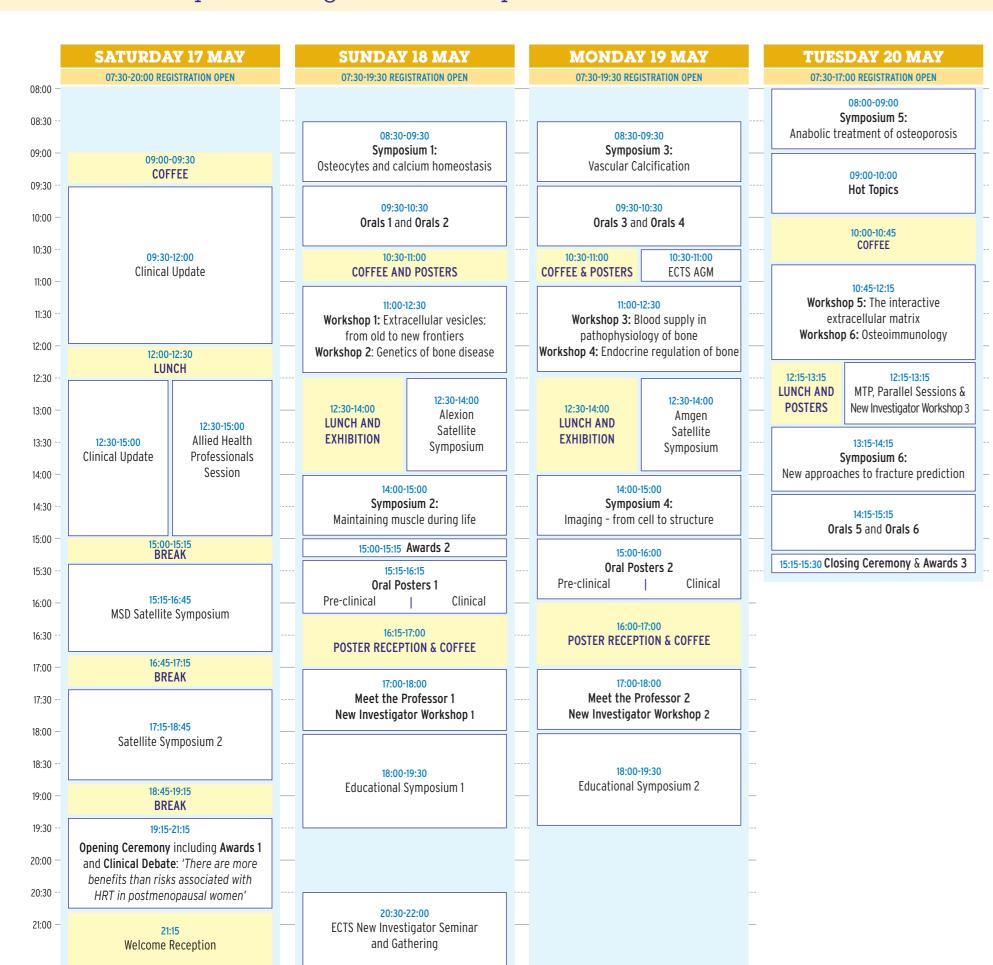
ECTS 2014

17 - 20 May 2014, Prague - Czech Republic



PROGRAMME DETAIL

Symposium 1:

Osteocytes and calcium homeostasis

- Periosteocytic osteolysis in preclinical models
- Osteocytes and cortical bone loss in human bone diseases

Symposium 2:

Maintaining muscle during life

- Making muscle in the embryo and the adult, role of muscle stem cells
- New targets for pharmacological treatment of sarcopenia in old age

Symposium 3:

Vascular calcification

- Mechanisms of vascular calcification
- Clinical aspects

Symposium 4:

Imaging - from cell to structure

- Multiphoton microscopy of cell migration
- Imaging and fracture risk prediction

Symposium 5:

Anabolic treatment of osteoporosis

- Limitations to anabolic stimulation of bone formation
- Clinical use of anabolic drugs

Symposium 6:

New approaches to fracture prediction

- Virtual physiological human
- Treat to target

CLINICAL DEBATE:

There are more benefits than risks associated with HRT in postmenopausal women

For the Motion: John Stevenson (UK) Against the Motion: Jane Cauley (USA)

Workshop 1:

Extracellular vesicles: from old to new frontiers

- Matrix vesicles and mineralisation
- Tumour derived vesicles in bone metastasis
- Extracellular RNAs and cell to cell communication

Workshop 2:

Genetics of bone disease

- GWAS what comes next?
- Epigenetics and metabolomics
- Pharmacogenetics

function in bone

Workshop 3:

Blood supply in pathophysiology of bone

- Functional role of blood vessels in bone
- Role of glucocorticoids and vascular
- Blood supply and fracture repair

Workshop 4:

Endocrine regulation of bone

- Hyponatremia, sodium metabolism and
- Clinical: Bone sparing glucocorticoids
- Thyroid hormones and bone

Workshop 5:

The interactive extracellular matrix

- The non collageous matrix network in bone and cartilage
- Collagenous matrix and cell behaviour
- Skeletal genetic diseases involving matrix proteins

Workshop 6: Osteoimmunology

- Osteochondral alterations in osteoarthritis
- Inflammation, bone destruction and osteoproliferation in spondylarthritis
- TRAP-5b mutations and immunology