Symposium 1: Calcium signaling
1 Michael Berridge (Cambridge, UK):
   Calcium signalling in health and disease
2 Edward Brown (Boston, USA):
   Biochemistry and biology of the extracellular calcium-
   sensing receptor

Symposium 2: Uncoupling approaches for osteoporosis treatment
1 David Goltzman (Montreal, Canada):
   Studies of antiresorptive agents plus parathyroid hormione in the treatment of
   bone loss
2 Jack Martin (Melbourne, Australia):
   Uncoupling anabolism from bone resorption

Symposium 3: Falls
1 Tash Masud (Nottingham, UK):
   Falls risk assessment and management
2 Douglas Kiel (Boston, USA):
   Prevention of fractures by hip protectors

Symposium 4: Mesenchymal stem cells
1 Dennis Discher (Philadelphia, USA):
   Matrix elasticity directs stem cell lineage -
   soluble factors that limit osteogenesis
2 Franz Jakob (Würzburg, Germany):
   Clinical applications of mesenchymal stem cells

Symposium 5: Microdamage and bone strength
1 Joseph Zarrecki (Dallas, USA):
   Is long-term suppression of bone turnover associated with increased fracture risk?
2 David Taylor (Dublin, Ireland):
   Living with cracks: Damage and repair in human bone

Symposium 6: Bone pain
1 Toshiyuki Yoned (Saita, Japan):
   Involvement of osteoclast-released protons in bone cancer pain
2 Denis Clothey (Minneapolis, USA):
   An individual-based approach to the management of bone cancer pain

Symposium 7: Diabetes and bone
1 Lorenz Hofbauer (Dresden, Germany):
   Clinical evidence for interaction between diabetes and bone (ECTS Excellence in
   Clinical Research Lecture)
2 Ann Schwartz (San Francisco, USA):
   Diabetes and bone: mechanism of interaction

DEBATE
ECTS-ASBM Debate:
Asymptomatic PHPT: to operate or not
1 Radu Mihai (Oxford, UK): For the motion
2 John Bilezikian (New York, USA):
   Against the motion

WORKSHOPS
Workshop 1: Adult forms of monogenic bone disorders
1 Östen Ljunggren (Uppsala, Sweden):
   Osteogenesis imperfecta, pathogenesis and treatment
2 Michael Whyte (St Louis, USA):
   Hypophosphatasia
3 Jens Bollerstedt (Oslo, Norway):
   Lessons from human osteopetrosis

Workshop 2: Non-canonical Wnt signaling
1 Michael Kühl (Ulm, Germany):
   Non-canonical Wnt signaling: an overview
2 Shigeaki Kato (Tokyo, Japan):
   Non-canonical Wnt signaling and the osteoblast-adipocyte lineage decision
3 Fanxin Long (St Louis, USA):
   On non-canonical Wnt signalling cascades: insights from osteogenic cells

Workshop 3: What have we learnt from cohort studies?
1 Jane Cauley (Pittsburgh, USA):
   Comparison to clinical trial information
2 Claes Öhsson (Gothenburg, Sweden):
   Sex steroids in the regulation of bone metabolism in men
3 Eugene McCloskey (Sheffield, UK):
   The benefits of combining cohorts for mega-analysis

Workshop 4: New insights into sex hormones and bone
1 Lilian Plotkin (Indianapolis, USA):
   New roles for estrogen receptors
2 Dirk Vanderschueren (Leuven, Belgium):
   Androgen action and the male skeleton
3 Joanna Price (London, UK):
   Mechanotransduction: the role of estrogen receptors

Workshop 5: Imaging of the hip
1 Ken Poole (Cambridge, UK):
   Causes of fragility fractures of the proximal femur
2 Klaus Engelke (Erlangen, Germany):
   Comparative assessment of the performance of imaging techniques for the proximal femur
3 Christian Graeff (Kiel, Germany):
   Assessment of treatment of osteoporosis with QCT of the proximal femur